

## INTERMEDIATE DIAPHRAGM DETAILS BETWEEN INTERIOR BEAMS

~Typical for Skewed Bridges~

## Diaphragm Notes

CONNECTIONS: Ensure all bolted connections are ASTM A325, 7% inch diameter high strength bolts, nuts, and washers, mechanically zinc coated in accordance with AASHTO M298, for Class 50. Install all high strength bolted field connections using "direct tension indicators" (DTI's) in accordance with the Standard Specifications and ASTM F959. Ensure all DTI's are mechanically zinc coated. Show installation details of the DTI's on the shop plans. Place DTI's under the bolt head.

13/4"

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51/2"

"Ø Hole

STRUCTURAL STEEL: Ensure plates and angles conform to AASHTO M 183 and galvanized after fabrication.

SHOP DRAWINGS: Show the location of all inserts and holes on the precast beam shop drawings. Submit shop drawings for the steel diaphragms to the Division of Bridge Design for approval.

DIAPHRAGMS: Frect the diaphragms the same day that the precast beams are

DIAPHRAGMS: Erect the diaphragms the same day that the precast beams are placed on the substructure. Include the cost of all materials and labor required to fabricate and erect the diaphragms in the bid for Precast Reams.

Beam Face

CLIP ANGLE - L1

1//<sub>6</sub>" Diameter Oversized Hole

L6" x 4" x 1/2"
L6" x 4" x 1/2"
L6" x 23/6" Long
Slotted Hole
Diaphragm Face

2" Bevel

 $^{15}\!\!/_{6}$  " x  $23\!\!/_{6}$  "Long Slotted Hole (typ.)

Beam Face

Diaphragm Face

 $L6" \times 4" \times \frac{1}{2}"$ 

2" Bevel

15/16 " Ø HOLE

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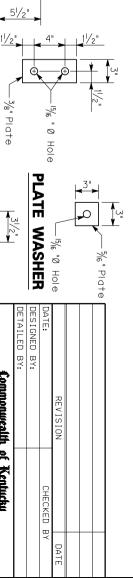
LER PLA

EM NUMBE

BACKING PLATE

CLIP ANGLE - L2





	ER	Plate	<b>√</b> 3/2	>		סחבת		"Ø Hole	
	Divis	ROUTE		DEP.	DETAILED BY:	DESIGNED BY:	DATE:		
PREPARED BY  Division of Bridge Design			COUNTY	Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS	r:	Ť:		REVISION	
	e Design	CROSSING	ΓY	of Kentucky OF HIGHWA			CHECKED BY		
DRAWING NO.	SHEET NO.			XS			ВҮ	DATE	